

I tested them, what does it mean....

Analyzing your results

Jane Moore, RN, MHSA



Reviewing findings of the investigation

- ▶ All of the contacts evaluated? Fully evaluated?
- ▶ What about treatment initiation?
- ▶ Treatment completion later

Reviewing findings of the investigation

- ▶ Do I need to expand ?
 - Assessing lower priority contacts
 - Investigating additional potential sites of exposure for new contacts
 - Increase efforts for finding and evaluating non-compliant contacts

Evidence of Recent Transmission

- ▶ TB infection or disease in contacts younger than 5 years of age
- ▶ Change in TST or IGRA from negative to positive
- ▶ Greater than expected rate of disease or infection among priority contacts
- ▶ Evidence of secondary transmission
- ▶ TB disease in non-priority contacts – genotype matches

Determining the Prevalence of TB Infection Among Contacts

- ▶ Determine the number of contacts who have completed testing
 - First and second round unless only 1 round is needed
 - Do not include
 - past positive persons
 - persons who have not completed testing
 - persons were not tested

Determining the Prevalence of TB Infection Among Contacts

- ▶ Determine the number with newly positive TST or IGRA
- ▶ Divide the number of contacts with newly positive test result by the total number of contacts who have completed testing
- ▶ Multiply by 100%

- ▶ 11 contacts were identified to a case.
 - One had a documented past positive results
- ▶ 10 had a TST administered
 - 7 were positive
 - 3 were negative

$$\frac{7 \text{ with a positive result}}{10 \text{ completed testing}} = 0.70 \times 100\% = 70\% \text{ TB infection prevalence}$$

A decision on expanding the investigation is needed!

After all avenues are exhausted

- ▶ Summary report
 - Background
 - Characteristics of case, sites of investigation, other pertinent information or findings
 - Evaluation of contacts
 - Include numbers sent to other jurisdictions
 - Calculations of TB infection prevalence
 - May need to stratify results – , ex. US versus foreign born, healthcare worker versus patient
 - Statement on whether expansion needed
 - Aggregate data from investigation
 - Numbers tested, evaluated, positive, treatment initiated, etc.
 - Statement on evidence of transmission
 - Lessons learned

Questions

